

Application No. 10/054,734  
Amendment "C" dated August 23, 2005  
Reply to Office Action mailed June 24, 2005

### AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

Claims 1-4. (Cancelled).

Claim 5. (Currently Amended) The base station as claimed in claim 25, wherein the information for controlling the transferable coverage of the broadcast information includes a hopping number field value.

Claim 6. (Currently Amended) The base station as claimed in claim 25, wherein the information for controlling the transferable coverage of the broadcast information includes latitude and longitude information of a source base station and its desired reception coverage value.

Claims 7-12. (Cancelled).

Claim 13. (Currently Amended) A method for controlling broadcast information in a base station that offers radio communication services in a service area, said base station performing the steps of:

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receiving information about broadcast information sent from other base station, the broadcast information including information for controlling transferable coverage of its own broadcast information;

generating broadcast information about a broadcasting area of said base station, based upon said received information about the broadcast information;

judging whether a condition indicated by the controlling information is met or not, based upon said received information about the broadcast information; and

when a result of the judgment meets the condition, transferring said received information about broadcast information to base stations other than said other base station which is a source of the information about broadcast information.

Claims 14-24. (Cancelled).

Claim 25. (Currently Amended) A base station that offers radio communication services in a service area, said base station comprising:

receiving means for receiving information about broadcast information sent from other base station, the broadcast information including information for controlling transferable coverage of its own broadcast information;

broadcast information generating means for generating broadcast information about a broadcasting area of said base station, based upon said received information about the broadcast information;

judging means for judging whether a condition indicated by the controlling information is met or not, based upon said received information about the broadcast information; and

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transferring means for, when a result of the judgment meets the condition, transferring said received information about broadcast information to base stations other than said other base station which is a source of the information about broadcast information.

Claim 26. (Currently Amended) The base station as claimed in any one of claims 5, 6 or 25, further comprising:

means for sending information about broadcast information which is a source and includes information for controlling transferable coverage of its own broadcast information, to other base station using a multicast address.

Claim 27. (Currently Amended) The method for controlling broadcast information as claimed in claim 13, wherein the information for controlling the transferable coverage of the broadcast information includes a hopping number field value.

Claim 28. (Currently Amended) The method for controlling broadcast information as claimed in claim 13, characterized in that the information for controlling the transferable coverage of the broadcast information includes latitude and longitude information of a source base station and its desired reception coverage value.

Claim 29. (Previously Presented) A base station as claimed in any one of claims 5, 6 and 25, wherein the base station is in a mobile communication system that includes multiple base stations that are interconnected two-dimensionally and that offer radio

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communication services in individual service areas, wherein said multiple base stations are two-dimensionally interconnected.

Claim 30. (Previously Presented) The base station as claimed in claim 29, wherein a mobile station comprises means for acquiring broadcast information about an area other than a broadcasting area the mobile station is visiting, from a base station in the broadcasting area the mobile station is visiting.